L Number	Hits	Search Text	DB	Time stamp
1	390	array near3 (light adj emitter)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:37
2	1	(array near3 (light adj emitter)) with substrate with (laser photodetector)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:39
3	60	(array near3 (light adj emitter)) with (laser photodetector)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:07
4	7	((array near3 (light adj emitter)) with (laser photodetector)) and pad	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:08
5	12	(array near3 (light adj emitter)) and ((bond bonding) adj pad)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:30
6	1	6184971.URPN.	USPAT	2002/06/28 16:10
7	8	("5255013" "5258629" "5745152" "5809216" "5917535" "5940113" "6002420" "6014202").PN.	USPAT	2002/06/28 16:11
8	6	5258629.URPN.	USPAT	2002/06/28
9	7	("4605944" "4707716" "4721977" "4951098" "5134340" "5138337" "5138338").PN.	USPAT	2002/06/28 16:26
10	7	l '	USPAT	2002/06/28 16:29
11	1686	(test testing) with ((bond bonding) adj pad)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:39
12	696	array with (light near emitter)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:38
13	1	((test testing) with ((bond bonding) adj pad)) and (array with (light near emitter))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:38
14	869	((test testing) with ((bond bonding) adj pad)) and probe	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:39
15	285	(((test testing) with ((bond bonding) adj pad)) and probe) and (laser photodetector led (light adj emitter))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:40

16	1 30	/IIC 5722026 A am IIC 5601466 A	1 11000	10000 (05 (55
16	38	(US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or	USPAT;	2002/06/28
		US-5917231-\$ or US-6198170-\$ or	US-PGPUB	16:40
		US-6372624-\$ or US-6339337-\$ or		
		US-6333555-\$ or US-6329722-\$ or		
		US-6320397-\$ or US-6150717-\$ or		
		US-6130148-\$ or US-5519332-\$ or		
		US-5426266-\$ or US-5206585-\$ or		
		US-6404063-\$ or US-5962921-\$ or		
		US-6358831-\$ or US-6287950-\$ or		
		US-6281041-\$ or US-6112002-\$ or		
		US-5287002-\$ or US-5042148-\$ or		
		US-4983908-\$ or US-5491352-\$).did. or		
		(US-6181144-\$ or US-5926029-\$ or		i
		US-5678301-\$ or US-6022797-\$ or		
		US-5986294-\$ or US-5892276-\$ or		
	}	US-6343514-\$ or US-5563901-\$ or		
		US-6184971-\$).did. or (US-20010020749-\$		
		or US-20010019180-\$ or		
		US-20020003822-\$).did.		
17	282	, , , , , , , , , , , , , , , , , , ,	USPAT;	2002/06/28
	1	adj pad)) and probe) and (laser	US-PGPUB;	16:41
		photodetector led (light adj emitter)))	EPO; JPO;	
		not ((US-5722826-\$ or US-5601466-\$ or	DERWENT	
	1	US-5586007-\$ or US-5500785-\$ or		
		US-5917231-\$ or US-6198170-\$ or		
		US-6372624-\$ or US-6339337-\$ or	i	
		US-6333555-\$ or US-6329722-\$ or		
:		US-6320397-\$ or US-6150717-\$ or		
		US-6130148-\$ or US-5519332-\$ or		
		US-5426266-\$ or US-5206585-\$ or		
		US-6404063-\$ or US-5962921-\$ or		
		US-6358831-\$ or US-6287950-\$ or		
		US-6281041-\$ or US-6112002-\$ or		
		US-5287002-\$ or US-5042148-\$ or		
		US-4983908-\$ or US-5491352-\$).did. or		
		(US-6181144-\$ or US-5926029-\$ or		
		US-5678301-\$ or US-6022797-\$ or		
		US-5986294-\$ or US-5892276-\$ or US-6343514-\$ or US-5563901-\$ or		
		US-6184971-\$).did. or (US-20010020749-\$		
		or US-20010019180-\$ or		
		US-20020003822-\$).did.)		
18	197	((((test testing) with ((bond bonding)	USPAT;	2002/06/28
10	15/	adj pad)) and probe) and (laser	US-PGPUB;	16:43
		photodetector led (light adj emitter)))	EPO; JPO;	-0.10
		not ((US-5722826-\$ or US-5601466-\$ or	DERWENT	
		US-5586007-\$ or US-5500785-\$ or	221,112141	
		US-5917231-\$ or US-6198170-\$ or		
		US-6372624-\$ or US-6339337-\$ or		
		US-6333555-\$ or US-6329722-\$ or		
		US-6320397-\$ or US-6150717-\$ or		
		US-6130148-\$ or US-5519332-\$ or		
		US-5426266-\$ or US-5206585-\$ or		1
		US-6404063-\$ or US-5962921-\$ or		
		US-6358831-\$ or US-6287950-\$ or		
		US-6281041-\$ or US-6112002-\$ or		
]	US-5287002-\$ or US-5042148-\$ or		
		US-4983908-\$ or US-5491352-\$).did. or		
		(US-6181144-\$ or US-5926029-\$ or		[
		US-5678301-\$ or US-6022797-\$ or		
		US-5986294-\$ or US-5892276-\$ or		
		US-6343514-\$ or US-5563901-\$ or	1	
		US-6184971-\$).did. or (US-20010020749-\$		
		or US-20010019180-\$ or		
		US-20020003822-\$).did.)) and (thickness		
İ		dimension)		

				
19	97	adj pad)) and probe) and (laser	USPAT; US-PGPUB;	2002/06/28 16:41
		photodetector led (light adj emitter))) not ((US-5722826-\$ or US-5601466-\$ or	EPO; JPO; DERWENT	
		US-5586007-\$ or US-5500785-\$ or		
		US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or		
		US-6333555-\$ or US-6329722-\$ or		
		US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or		
		US-5426266-\$ or US-5206585-\$ or		
		US-6404063-\$ or US-5962921-\$ or US-6358831-\$ or US-6287950-\$ or		
		US-6281041-\$ or US-6112002-\$ or		
		US-5287002-\$ or US-5042148-\$ or US-4983908-\$ or US-5491352-\$).did. or		
		(US-6181144-\$ or US-5926029-\$ or		
		US-5678301-\$ or US-6022797-\$ or US-5986294-\$ or US-5892276-\$ or		
		US-6343514-\$ or US-5563901-\$ or		
		US-6184971-\$).did. or (US-20010020749-\$		
		or US-20010019180-\$ or US-20020003822-\$).did.)) and thickness		
		and dimension		0000 (05 (55
20	86	<pre>(((((test testing) with ((bond bonding) adj pad)) and probe) and (laser</pre>	USPAT; US-PGPUB;	2002/06/28 16:43
		<pre>photodetector led (light adj emitter)))</pre>	EPO; JPO;	
		not ((US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or	DERWENT	
		US-5917231-\$ or US-6198170-\$ or		
		US-6372624-\$ or US-6339337-\$ or		
		US-6320397-\$ or US-6150717-\$ or		
		US-6130148-\$ or US-5519332-\$ or US-5426266-\$ or US-5206585-\$ or		
		US-6404063-\$ or US-5962921-\$ or		
		US-6358831-\$ or US-6287950-\$ or US-6281041-\$ or US-6112002-\$ or		
		US-5287002-\$ or US-5042148-\$ or		
		US-4983908-\$ or US-5491352-\$).did. or		
		(US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-6022797-\$ or		
		US-5986294-\$ or US-5892276-\$ or		
		US-6343514-\$ or US-5563901-\$ or US-6184971-\$).did. or (US-20010020749-\$		
		or US-20010019180-\$ or		
		US-20020003822-\$).did.)) and (pad with (thickness dimension))		
21	17	5506499.URPN.	USPAT	2002/06/28 16:55
22	23	("3822465" "4581706" "4845543"	USPAT	2002/06/28
		"4926238" "4951098" "5053700"		16:59
		"5057900" "5132772" "5150193" "5239447" "5263246" "5286927"		
		"5296745" "5327834" "5334809"		
		"5336649" "5342807" "5358904" "5391516" "5432807" "5506499"		
		"5523697" "5554940").PN.	HCDAM	2002 (06 (22
23	23	("3822465" "4581706" "4845543" "4926238" "4951098" "5053700"	USPAT	2002/06/28
		"5057900" "5132772" "5150193"		
		"5239447" "5263246" "5286927" "5296745" "5327834" "5334809"		
		"5336649" "5342807" "5358904"		
		"5391516" "5432807" "5506499" "5523697" "5554940").PN.		
24	5	("5506499" "5799021" "5891745"	USPAT	2002/06/28
25	0	"5896039" "5991232").PN. 6373143.URPN.	USPAT	17:03 2002/06/28
23		OS/SITS.UKEN.	USERI	17:04

26	29	("3717800"	"4223337" "4241	.360"	USPAT	2002/06/28
		"4403240"	"4447857" "49510	98"		17:04
		"4959706"	"4990996" "51555	77"		,
		"5342992"	"5442740" "54554	60"		
ł		"5473196"	"5506499" "55171	.27"		
		"5554940"	"5731709" "57838	68"		
		"5844312"	"5854513" "58566	87" I		
		"5886414"	"5914614" "59230	47"		
		"5994152"	"6025730" "60257	/33"		
1		"6091155"	"6107111").PN.			

L	Hits	Search Text	DB	Time stamp
Number				•
11	8446	(flipchip (flip adj chip))	USPAT; EPO; JPO	2002/06/28 10:09
12	13145	(flipchip (flip adj chip))	USPAT;	2002/06/28
			US-PGPUB;	13:04
			EPO; JPO; DERWENT	
13	2877	((flipchip (flip adj chip))) and ((bond	USPAT;	2002/06/28
1		bonding) adj pad)	US-PGPUB;	10:22
			EPO; JPO; DERWENT	
14	476	((bond bonding) adj pad) near3 (thick	USPAT;	2002/06/28
		thickness)	US-PGPUB;	13:08
			EPO; JPO; DERWENT	
15	75	((flipchip (flip adj chip))) and (((bond	USPAT;	2002/06/28
		bonding) adj pad) near3 (thick	US-PGPUB;	10:23
		thickness))	EPO; JPO; DERWENT	
16	o	6339337.URPN.	USPAT	2002/06/28
17	_	(#4041150# #5406012# #5403026#	IICDAM	10:32
17	5	("4841150" "5406213" "5493236" "5532607" "5761337").PN.	USPAT	2002/06/28
18	17	5426266.URPN.	USPAT	2002/06/28
	-	#5207550# PV	HCDAM	10:49
19	1	"5307559".PN.	USPAT	2002/06/28 10:52
20	39	5206585.URPN.	USPAT	2002/06/28
	503	((band banding) add mad) with dimangian	USPAT;	10:55 2002/06/28
22	503	((bond bonding) adj pad) with dimension	US-PGPUB;	13:05
			EPO; JPO;	
23	29378	((bond bonding) adj pad) near3dimension	DERWENT USPAT;	2002/06/28
23	29376	((bond bonding) ad) pad, hearsdimension	US-PGPUB;	13:05
			EPO; JPO;	
24	216	((bond bonding) adj pad) near3 dimension	DERWENT USPAT;	2002/06/28
24	210	((bold bolding) adj pad, hears dimension	US-PGPUB;	13:05
			EPO; JPO;	
21	6	(((bond bonding) adj pad) near3 (thick	DERWENT USPAT;	2002/06/28
21		thickness)) with dimension	US-PGPUB;	13:05
			EPO; JPO; DERWENT	
25	1545	((bond bonding) adj pad) with (thick	USPAT;	2002/06/28
		thickness)	US-PGPUB;	13:09
			EPO; JPO; DERWENT	
26	114		USPAT;	2002/06/28
		and (((bond bonding) adj pad) with (thick	US-PGPUB;	13:13
		thickness))	EPO; JPO; DERWENT	
27	95	((((bond bonding) adj pad) with	USPAT;	2002/06/28
		dimension) and (((bond bonding) adj pad)	US-PGPUB; EPO; JPO;	13:13
		<pre>with (thick thickness))) not (((flipchip (flip adj chip))) and (((bond bonding)</pre>	DERWENT	
		adj pad) near3 (thick thickness)))		0000 400 400
28	0	6287950.URPN.	USPAT	2002/06/28
29	5		USPAT	2002/06/28
		"6060378" "6200889").PN.	Henn	13:29
30	3	6198170.URPN.	USPAT	2002/06/28
31	0	6112002.URPN.	USPAT	2002/06/28
22		("5857049" "5909524").PN.	USPAT	13:38
32	2	(303/049 3909324 .FM.	JOSEAL	13:38
33	10	5287002.URPN.	USPAT	2002/06/28
			<u> </u>	13:46

Search History 6/28/02 2:52:01 PM

34	5	5391920.URPN.	USPAT	2002/06/28
				13:49
35	11	5042148.URPN.	USPAT	2002/06/28
				13:51
36	21	("3809625" "4027935" "4161692"	USPAT	2002/06/28
30		"4585991" "4906920" "5042148"		13:53
		"5172050" "5177439" "5180977"		
		"5225037" "5264787" "5483741"		
		"5565767" "5678301" "5686317"		
		"5712571" "5915977" "5917329"		
		"5926029" "5931685" "5962921").PN.		
39	10	5565767.URPN.	USPAT	2002/06/28
39	10	3303707.0KEW.	001111	13:59
40	10	5565767.URPN.	USPAT	2002/06/28
40	10	3303707.0RFN.	OBLINI	13:59
41	5	("3867693" "4508981" "4720671"	USPAT	2002/06/28
41	1	"4779041" "5280237").PN.	051111	13:59
42	40	5678301.URPN.	USPAT	2002/06/28
42	10	3070301.0KIN.	001111	14:00
43	6	("3813773" "4059480" "4066491"	USPAT	2002/06/28
43	0	"4647476" "4851767" "4961052").PN.	051111	14:04
94	6	"5892276"	USPAT;	2002/06/28
94	ľ	3092270	US-PGPUB;	14:40
			EPO; JPO;	
			DERWENT	
95	10	"5391920"	USPAT;	2002/06/28
95	10	3331320	US-PGPUB;	14:41
			EPO; JPO;	
			DERWENT	
96	16	"5892276" "5391920"	USPAT;	2002/06/28
90	10	3032270 3331320	US-PGPUB;	14:41
			EPO; JPO;	
			DERWENT	
97	2	5892276.URPN.	USPAT	2002/06/28
91	4	JUJ22 / U. UREN.	32333	14:48
98	2	5892276.URPN.	USPAT	2002/06/28
70	4	3032270. OKEN.		14:50
1 00	2	("5075753" "5581109").PN.	USPAT	2002/06/28
99	4	(30/3/33 3301103 /.1M.	332	14:50
100	2	("5162893" "5436485").PN.	USPAT	2002/06/28
100	2	(3102033 3430403 /.14.	332	14:51

L	Hits	Search Text	DB	Time stamp
Number				12me Stamp
1	10878	crystalline adj silicon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:02
2	68	(crystalline adj silicon) near2 (die chip)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:09
3	67	(US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or US-6333555-\$ or US-6329722-\$ or US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or US-6404063-\$ or US-5962921-\$ or US-6281041-\$ or US-6112002-\$ or US-6281041-\$ or US-6112002-\$ or US-5287002-\$ or US-5491352-\$).did. or (US-6181144-\$ or US-5491352-\$).did. or (US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-5926029-\$ or US-5986294-\$ or US-5986294-\$ or US-5892276-\$ or US-5986294-\$ or US-5892276-\$ or US-5986294-\$ or US-5563901-\$ or US-6343514-\$ or US-6373143-\$ or US-6343514-\$ or US-6373143-\$ or US-6351405-\$ or US-691155-\$ or US-5554940-\$ or US-691155-\$ or US-5783868-\$ or US-559175-\$ or US-5886414-\$ or US-5891745-\$ or US-5886414-\$ or US-58517127-\$ or US-5899703-\$ or US-6342399-\$ or US-6369407-\$ or US-6342399-\$ or US-5319224-\$ or US-6337507-\$ or US-4747076-\$).did. or (US-4633280-\$ or US-4747076-\$).did. or (US-4633280-\$ or US-6258700-\$ or US-6337507-\$ or US-6258700-\$ or US-6337507-\$ or US-4494135-\$ or US-4748491-\$ or US-4494135-\$ or US-4748491-\$ or US-5708291-\$ or US-4748491-\$ or US-5063420-\$ or US-6008061-\$).did. or (US-20010020749-\$ or US-20010019180-\$ or US-20020003822-\$).did.	USPAT; US-PGPUB	2002/06/30 21:03

		/talling add giligan\ and	USPAT;	2002/06/30
4	1	(crystalline adj silicon) and	US-PGPUB;	21:04
		((US-5722826-\$ or US-5601466-\$ or		21.04
		US-5586007-\$ or US-5500785-\$ or	EPO; JPO;	
		US-5917231-\$ or US-6198170-\$ or	DERWENT	
		US-6372624-\$ or US-6339337-\$ or		
	İ	US-6333555-\$ or US-6329722-\$ or		
		US-6320397-\$ or US-6150717-\$ or		
		US-6130148-\$ or US-5519332-\$ or		
		US-5426266-\$ or US-5206585-\$ or		
		U5-5426266-5 OF U5-5200505 5 OF		i
		US-6404063-\$ or US-5962921-\$ or		
		US-6358831-\$ or US-6287950-\$ or		
		US-6281041-\$ or US-6112002-\$ or		
		US-5287002-\$ or US-5042148-\$ or		
		US-4983908-\$ or US-5491352-\$).did. or		
		(US-6181144-\$ or US-5926029-\$ or		
		US-5678301-\$ or US-6022797-\$ or	Į	!
		US-5986294-\$ or US-5892276-\$ or		
		US-6343514-\$ or US-5563901-\$ or	İ	ĺ
		US-6184971-\$ or US-4951098-\$ or]	
	l l	U5-01049/1-5 OF U5-4331U30-5 OF		
		US-5506499-\$ or US-6373143-\$ or		
		US-6351405-\$ or US-5891745-\$ or	ļ	
		US-5554940-\$ or US-6091155-\$ or	1	
		US-5886414-\$ or US-5854513-\$ or		
	Į l	US-5783868-\$ or US-5517127-\$ or		
		US-6369407-\$ or US-6166556-\$ or		
		US-5899703-\$ or US-6342399-\$ or		
		US-5099703-\$ OF US-0342333 \$ OF		
		US-5319224-\$ or US-4899174-\$ or		
		US-4747076-\$).did. or (US-4633280-\$ or		
]	US-4413272-\$ or US-6337507-\$ or		
		US-6258700-\$ or US-5969404-\$ or		
		US-5708291-\$ or US-4748491-\$ or	Ì	
	!	US-4494135-\$ or US-4924276-\$ or		1
		US-5063420-\$ or US-6008061-\$).did. or		
		(US-20010020749-\$ or US-20010019180-\$ or		
		US-20020003822-\$).did.)		
		US=20020003822=\$1.did./	USPAT;	2002/06/30
5	25	((crystalline adj silicon) near2 (die	1 '	21:04
		chip)) and (test testing)	US-PGPUB;	21.04
			EPO; JPO;	
			DERWENT	1
6	25	(crystalline adj silicon) and (led adj	USPAT;	2002/06/30
"		array)	US-PGPUB;	21:15
1			EPO; JPO;	
1			DERWENT	
	_	WE 0.624201	USPAT;	2002/06/30
7	5	"5063420"	US-PGPUB;	21:14
			EPO; JPO;	
			DERWENT	1 2000 100 130
8	93812	light adj emitting adj diode	USPAT;	2002/06/30
"		-	US-PGPUB;	21:16
			EPO; JPO;	
1			DERWENT	
		light adj emitting adj diode adj array	USPAT;	2002/06/30
9	2702	right adj emitting adj drode adj array	US-PGPUB;	21:16
			1	21.10
1			EPO; JPO;	
1			DERWENT	10000 (00 (00
		1	USPAT;	2002/06/30
10	10	(crystalline ad) silicon) and (light ad)		
10	10	(crystalline adj silicon) and (light adj	US-PGPUB;	21:17
10	10	emitting adj diode adj array)		